

REQUEST

For receiving Office use only	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	_

~ _ {3_2_	International Filing Dat	e
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Offi	ce and "PCT International Application"
	Applicant's or agent's i (if desired) (12 characte	file reference ers maximum) S2648-PCT
Box No. I TITLE OF INVENTION		
Methods and apparatus for synchronization of tr	raining sequences	
Box No. II APPLICANT This person	n is also inventor	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residence	he address indicated in this	Telephone No. +31-20 57 53 001
STMICROELECTRONICS N.V.		Facsimile No.
WTC Schiphol Airport	•	+31-20 57 53 004 Teleprinter No.
Schiphol Boulevard 265		releprinter No.
1118 BH Schiphol Airport - Amsterdam The Netherlands		Applicant's registration No. with the Office
State (that is, country) of nationality: NL	State (that is, country) NL	of residence:
This person is applicant for the purposes of: all designated states all designated the United S		the United States of America only the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this	This person is:
VANDERPERREN, Yves		applicant and inventor
Vijf Bunderlaan 35 B-1150 Brussel		inventor only (If this check-box
Belgium		is marked, do not fill in below.)
		Applicant's registration No. with the Office
State (that is, country) of nationality: BE	State (that is, country) BE	of residence:
This person is applicant all designated states all designated the United St		the United States of America only the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated of	on a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE	; OR ADDRESS FOR	CORRESPONDENCE
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	on behalf s as:	agent common representative
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of c		Telephone No. +32-16-48 05 62
BIRD, William E.		Facsimile No.
Bird Goën & Co		+32-16-48 05 28
Klein Dalenstraat 42A B-3020 Winksele		Teleprinter No.
Belgium		Agent's registration No. with the Office
		Agent Stegistration 140. with the Office
Address for correspondence: Mark this check-box where	e no agent or common rep	oresentative is/has been appointed and the

Form PCT/RO/101 (first sheet) (March 2001; reprint January 2003)

See Notes to the request form

Sheet	No.		2		

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) If none of the following sub-boxes is used, this sheet should not be included in the request.					
Name and address: (Family name followed by given name; for a legal entity, full official designs The address must include postal code and name of country. The country of the address indicated it is a state of the applicant is State (that is, country) of residence if no State of residence is indicated below.) DEHAENE, Wim Gemeentestraat 201 B-3010 Kessel-Lo Belgium	n this				
	Applicant's registration No. with the Office				
State (that is, country) of nationality: BE State (that is, co BE	nuntry) of residence:				
This person is applicant for the purposes of: all designated all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, full official designation of the address must include postal code and name of country. The country of the address indicated in Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	n this				
State (that is, country) of nationality: State (that is, co	untry) of residence:				
This person is applicant all designated all designated States except for the purposes of:	the United States the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, full official designation of the address must include postal code and name of country. The country of the address indicated in Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	n this				
State (that is, country) of nationality: State (that is, co	untry) of residence:				
This person is applicant for the purposes of: all designated all designated States except the United States of America	the United States the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, full official designation of the address must include postal code and name of country. The country of the address indicated in Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	n this				
State (that is, country) of nationality: State (that is, country)	untry) of residence:				
This person is applicant all designated all designated States except for the purposes of:	the United States of America only the States indicated in the Supplemental Box				
Further applicants and/or (further) inventors are indicated on another continuation sheet.					

Form PCT/RO/101 (continuation sheet) (March 2001; reprint January 2003)

See Notes to the request form

Box No. V DESIGNATION OF S	STATES
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Mark the applicable check-boxes below; at least one must be marked.

The following designations are hereby made under Rule 4.9(a): Regional Patent 🔀 AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line) K EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT 🔀 OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GO Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) National Patent (if other kind of protection or treatment desired, specify on dotted line): HR Croatia M OM Oman AG Antigua and Barbuda AM Armenia ID Indonesia PL Poland..... KE Kenya..... SC Seychelles BB Barbados BY Belarus.... CH & LI Switzerland and Liechtenstein LC Saint Lucia TN Tunisia CO Colombia

X LR Liberia

X TN Tunisia

CR Costa Rica

X TR Turkey CO Colombia X LR Liberia TT Trinidad and Tobago

..... US United States of America DZ Algeria..... ES Spain GB United Kingdom GD Grenada X ZW Zimbabwe Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

DK Denmark MA Morocco MU UA Ukraine

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

TZ United Republic of Tanzania



Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which I. a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor: named person is inventor;
- if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and offer the name of each state (or OAPI), the number of and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of Fax: +32-16-48 05 28 the parent title or filing of the parent application;
- if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each Fax: +32-16-48 05 28 State so excluded.

Continuation of Box No. IV:

BIRD, Ariane Bird Goën & Co Klein Dalenstraat 42A B-3020 Winksele Belgium

Tel: +32-16-48 05 62

HERTOGHE, Kris Bird Goën & Co Klein Dalenstraat 42A B-3020 Winksele

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Sheet	No	5	

Box No. VI PRIORITY CLAIM					
The priority of the following earlier application(s) is hereby claimed:					
Filing date	Number	V	Vhere earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 21 October 2002 (21.10.02)	02079374.1		EP		
item (2) 10 February 2003 (10.02.03)	10/364,294	US			
item (3)					
item (4)					
item (5)					
Further priority claims a	are indicated in the Suppleme	ental Box.			
The receiving Office is reque if the earlier application was f above as:	sted to prepare and transmit the state of th	to the International Bureau the purposes of this interna	a certified copy of the entional application is the r	earlier application(s) (only receiving Office) identified	
all items item (1) item (2)	item (3) item	(4)	other, see Supplemental Box	
* Where the earlier application Industrial Property or one Me	on is an ARIPO application, in ember of the World Trade Or	ndicate at least one country ganization for which that e	party to the Paris Conve earlier application was fi	ention for the Protection of led (Rule 4.10(b)(ii)):	
Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):					
Box No. VII INTERNAT	Box No. VII INTERNATIONAL SEARCHING AUTHORITY				
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):					
ISA / EP Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the					
International Searching Author	ority):				
Date (day/month/year) 30 January 2003		oer Coun 9374.1	ntry (or regional Office) EP		
Box No. VIII DECLARAT		7374.1	<u>CF</u>		
BOX NO. VIII DECLARAT					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration): declarations					
Box No. VIII (i)	Declaration as to the identit	ty of the inventor		:	
Box No. VIII (ii)	Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :			:	
Box No. VIII (iii)	Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :				
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):				;	
Box No. VIII (v)	Declaration as to non-preju	udicial disclosures or exce	eptions to lack of novelty	, :	

Sheet	NT-	6
heet	NΩ	_

Box No. IX CHECK LIST; LANGUAGE OF FILING					
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items			
request (including	1. fee calculation sheet	:			
declaration sheets) : 6	2. original separate power of attorney	:			
description (excluding sequence listings and/or	3. original general power of attorney	:			
tables related thereto) : 27	4. Copy of general power of attorney; reference number, if any: 46488	. 1			
claims : 4	5. statement explaining lack of signature				
abstract : 1	6. priority document(s) identified in Box No. VI as	•			
drawings : 24	item(s):	:			
Sub-total number of sheets: 62 sequence listings:	7. ☐ translation of international application into (language):	•			
tables related thereto :	8. separate indications concerning deposited microorganism	•			
(for both, actual number of	or other biological material	: .			
sheets if filed in paper form, whether or not also filed in computer readable form;	 sequence listings in computer readable form (indicate type and number of carriers) 				
see (c) below)	 (i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application) 	on):			
Total number of sheets : 62 (b) only in computer readable form	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	e			
(Section 801(a)(i))					
(i) sequence listings	 (iii) together with relevant statement as to the identity of the copy copies with the sequence listings mentioned in left column 	or :			
(ii) ☐ tables related thereto (c) ☐ also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listings (indicate type and number of carriers)				
(i) sequence listings (ii) tables related thereto	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the internation	al			
Type and number of carriers (diskette,	application) (ii) (iii) (only where check-hox (h)(iii) or (c)(iii) is marked in left column)	:			
CD-ROM, CD-R or other) on which are contained the	 (ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for th purposes of international search under Section 802(b-quater) 	e :			
sequence listings:	(iii) together with relevant statement as to the identity of the copy	or			
tables related thereto:	copies with the tables mentioned in left column 11. Contact (Specify): EP Search Report	: . 1			
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. Ag other (specify): 41. Osdara 11100001	, 1			
Figure of the drawings which should accompany the abstract: Language of filing of the international application: ENGLISH					
Box No. X SIGNATURE OF APPLICAN Next to each signature, indicate the name of the person signature.	T, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity is not obvious from readin	o the request).			
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).					
	William E. Bird	•			
	•				
	For receiving Office use only				
Date of actual receipt of the purported	Por receiving Office use only 2. Dra	wings.			
international application:					
3. Corrected date of actual receipt due to later but timely received papers or drawings completing					
the purported international application:					
4. Date of timely receipt of the required corrections under PCT Article 11(2):					
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid				
For International Bureau use only					
Date of receipt of the record copy by the International Bureau:					
L					